



**DURHAM CATHOLIC
DISTRICT SCHOOL BOARD**
Learning and Living in Faith

Memorandum

To: Board of Trustees

From: Tracy Barill, Director of Education

Date: March 27, 2023

Subject: **Information and Communications Technology Strategic Goals**

Origin: Ronald Rodriguez, Chief Information Officer – Freedom of Information and Privacy

Purpose

To provide an update to the Board of Trustees on initiatives currently taking place in the Information and Communications Technology Services as aligned with the Durham Catholic District School Board 2022-2023 Strategic Goals and Actions:

- Implementation of a new Enterprise Resource Planning (ERP)
 - Human Resources
 - Payroll
 - Finance
- Multi-Year Technology Plan
 - 2:1 technology ratio (two students per device)
- System-wide Cyber Security improvements

TB/RR/II

Attachment: Information and Communications Technology Presentation

Information and Communications Technology

Ronald R. Rodriguez – Chief Information Officer – Freedom of Information and Privacy

Paulette Wilson-Chambers – Project Manager, ERP

Jason Adams – Manager, Infrastructure Solutions

Chris Skelton – Supervisor, Network and Cyber Security



**Durham Catholic
District School Board**

**2022-2023
Strategic Goals
and Actions**

Rooted in Faith:
Excellence | Equity | Engagement



**DURHAM CATHOLIC
DISTRICT SCHOOL BOARD**
Learning and Living in Faith

Information and Communications Technology

Goals

Implement new Enterprise Resource Planning (ERP) System

Actions to be Taken

Dedicated ERP Project Manager to oversee all aspects of implementation.

Weekly meeting between Information and Communications Technology, Human Resources Services, Business and Compensation Services to monitor implementation and progress.

Work with Communications Department on Communications plan to support rollout to system.

Employee training schedule:

1. Super-users - Fall 2022
2. All Users - Winter/Spring 2023

How will success be measured?

- Implementation process to be monitored by the Audit Committee and Internal Auditors.
- Reports scheduled for November 2022 and April 2023
- New ERP becomes System of Record

Continue implementation of the Multi-Year Technology Plan

Continue to refresh staff technology based on the established 5-year cycle

Work with school Principals to reach the 2:1 technology ratio (two students/device). 3:1 technology ratio was established in 2021-2022 through the School Technology Equalization Strategy

- Using the Asset Management system to monitor life cycle and ratio of technology.

To continue to improve system-wide Cyber Security

Invest in an enhanced backup solution for the Main Datacentre and Disaster Recovery (DR) to support cyber security.

Continue to enhance cyber attack prevention and detection, data protection, and data recovery.

Build staff and student awareness about email phishing through a formal communication plan.

- Providing high performance and high availability systems. Meeting or exceeding 99.9% system availability
- Tracking system availability with a goal of meeting and exceeding the 99.9% system availability.



Enterprise Resource Planning

Paulette Wilson-Chambers
Project Manager, ERP

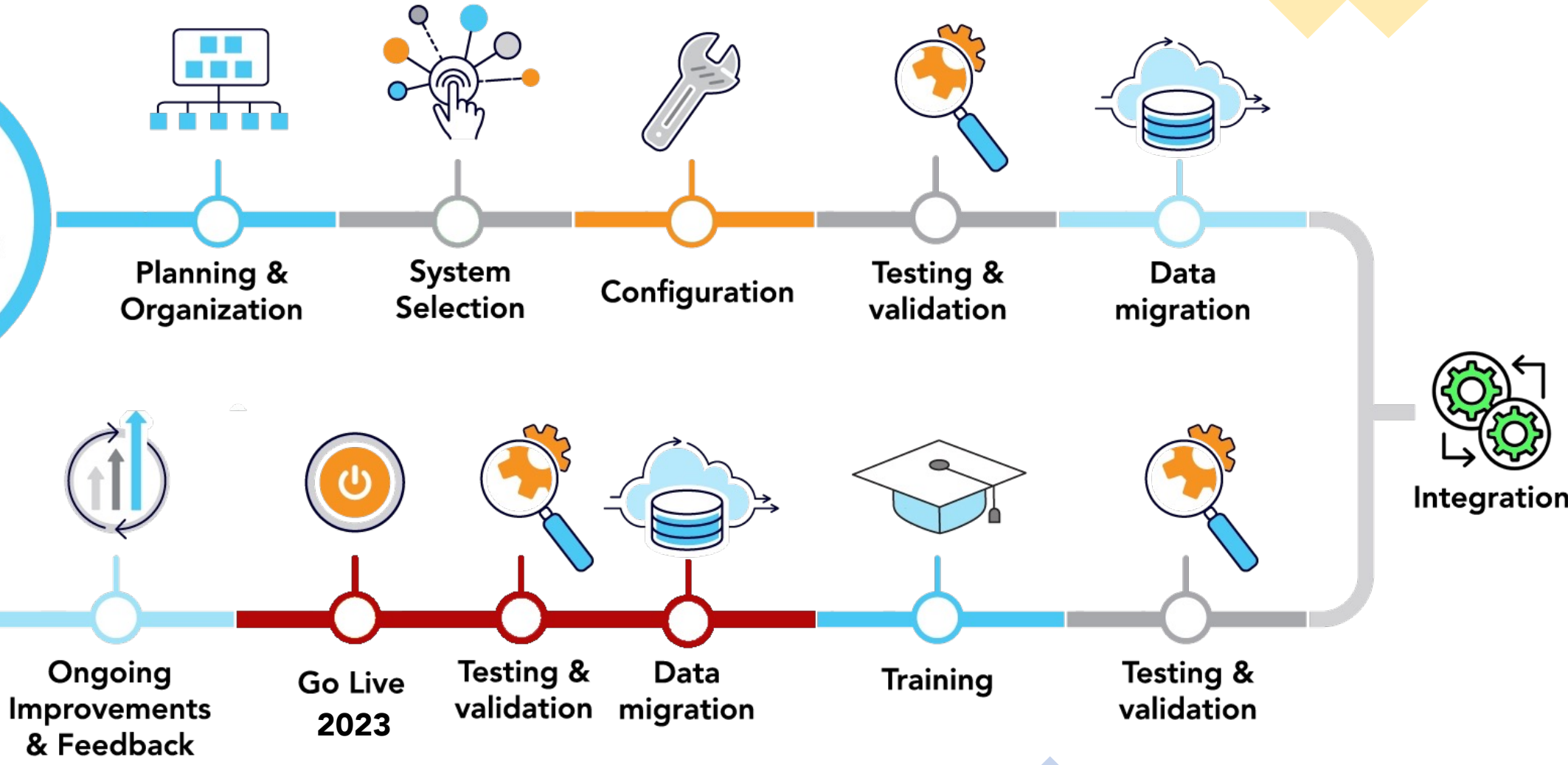
Modernization

- Replace a 20+ year old ERP system
 - FINANCE
 - HUMAN RESOURCES
 - PAYROLL
- SaaS Solution (Software as a Service) – Unit4.com
- Bring efficiencies
- Integration of some of the important part of our business

UNIT 4

2021

ERP Implementation Process



QUESTIONS



Continue implementation of the Multi-Year Technology Plan

2:1 ratio

In 2021-2022 we completed the 3:1 ratio and our goal for 2022-2023 is to ensure that all schools are in the 2 students to 1 device ratio.



Jason Adams

Manager, Infrastructure Solutions

Chris Skelton

Supervisor, Network and Cyber Security



Cyber Preparedness and Recovery Plan

- 2021 and 2022 Ministry special funding has allowed us to strengthen our cyber attack prevention strategy and detection systems
- Also, we have enhanced our data protection and data recovery solution

- Upgraded email filtering
- Upgraded our anti-virus with XDR (Extended, Detection and Response)
- Perform periodically Phishing attacks
- Periodically check for weak and leaked passwords
- Multi-Factor Authentication was implemented
- Enhanced backups
 - Immutable Backups
 - Exceed the 3-2-1 backup strategy

CYBER SECURITY



CYBER SECURITY

SASE **Secure Access** **Service Edge**

- Prevents connection to malicious websites
- Content filtering
- More importantly, students and staff with board owned devices are protected everywhere

QUESTIONS